

ANSWER 10 OF 10 BIOTECHDS COPYRIGHT 1998 DERWENT INFORMATION LTD

AN 91-11280 BIOTECHDS  
TI New **bispecific** hybrid monoclonal antibody;  
human **cancer** cell e.g. human transferrin receptor and  
cytostatic **prodrug**-activating **enzyme** e.g.  
urokinase or beta-glucuronidase **bispecific** antibody  
production from tetradoma  
PA Takeda-Chem.  
PI WO 9109134 27 Jun 1991  
AI WO 90-JP1631 14 Dec 1990  
PRAI JP 90-301608 6 Nov 1990; JP 89-326545 15 Dec 1989  
DT Patent  
LA English  
OS WPI: 91-208160 [28]  
AB The following are new: a **bispecific** antibody specific for  
a human **cancer** cell (e.g. against human transferrin  
receptor) and a **prodrug**-activating **enzyme**, e.g.  
urokinase (EC-3.4.21.31) or beta-glucuronidase (EC-3.2.1.31) (which  
may convert an inactive glucuronidated cytostatic drug into an  
active compound, e.g. adriamycin (doxorubicin), cisplatin,  
melphalan, methotrexate, mitomycin-C, vincristine, puromycin,  
phenylenediamine mustard, ansamitocin or TAN-1120); a polydoma  
producing the antibody; a tetradoma which is the fusion product of  
hybridoma 22C6 (producing an anti-human **cancer** antibody)  
and hybridoma UK-1-6 (producing an anti-urokinase antibody),  
producing the **bispecific** antibody; and a protein complex  
comprising the **bispecific** antibody and a coupled  
**prodrug**-activating **enzyme**. Mouse tetradoma  
UTF20-7 (FERM BP-3156) is specifically claimed. The  
**bispecific** antibody may be produced in vitro in liquid  
culture medium, or in vivo in ascites fluid. The  
**bispecific** antibody, **prodrug** and **enzyme**  
may be administered to **cancer** patients to produce  
selective cytostatic activity on **cancer** cells, regardless  
of their diversity. (56pp)

=> d his

(FILE 'HOME' ENTERED AT 08:36:56 ON 24 FEB 1998)

INDEX 'AGRICOLA, AIDSLINE, ANABSTR, AQUASCI, BIOBUSINESS, BIOSIS,  
BIOTECHABS, BIOTECHDS, CABA, CANCERLIT, CAPLUS, CEABA, CEN, CIN,  
CJACS, CJELSEVIER, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE,  
DISSABS, DRUGB, DRUGLAUNCH, DRUGNL, DRUGU, EMBAL, EMBASE, ...'  
ENTERED AT 08:37:40 ON 24 FEB 1998

SEA BISPECIFIC AND (CANCER OR TUMOR OR TUMOUR) AND ENZYME

-----  
1 FILE AIDSLINE  
2 FILE BIOBUSINESS  
13 FILE BIOSIS  
18 FILE BIOTECHABS  
18 FILE BIOTECHDS  
29 FILE CANCERLIT  
11 FILE CAPLUS  
1 FILE CEABA  
1 FILE CEN  
17 FILE CJACS  
2 FILE DDFU  
4 FILE DISSABS

```

2     FILE DRUGU
30    FILE EMBASE
1     FILE IFIPAT
2     FILE JICST-EPLUS
2     FILE LIFESCI
24    FILE MEDLINE
2     FILE PROMT
17    FILE SCISEARCH
6     FILE TOXLINE
4     FILE TOXLIT
144   FILE USPATFULL
5     FILE WPIDS
5     FILE WPINDEX
L1    QUE BISPECIFIC AND (CANCER OR TUMOR OR TUMOUR) AND ENZYME
-----
SEA L1 AND PREDRUG AND (THERAP? OR TREAT?)
-----
L2    QUE L1 AND PREDRUG AND (THERAP? OR TREAT?)
-----
SEA L1 AND (THERAP? OR TREAT?)
-----
1     FILE AIDSLINE
7     FILE BIOSIS
14    FILE BIOTECHABS
14    FILE BIOTECHDS
22    FILE CANCERLIT
5     FILE CAPLUS
1     FILE CEN
15    FILE CJACS
22    FILE EMBASE
1     FILE IFIPAT
1     FILE LIFESCI
18    FILE MEDLINE
2     FILE PROMT
10    FILE SCISEARCH
6     FILE TOXLINE
2     FILE TOXLIT
140   FILE USPATFULL
4     FILE WPIDS
4     FILE WPINDEX
L3    QUE L1 AND (THERAP? OR TREAT?)
-----
SEA L3 AND PRODRUG
-----
1     FILE BIOSIS
3     FILE BIOTECHABS
3     FILE BIOTECHDS
1     FILE CANCERLIT
3     FILE CAPLUS
2     FILE CJACS
4     FILE EMBASE
1     FILE MEDLINE
1     FILE PROMT
3     FILE SCISEARCH
1     FILE TOXLINE
2     FILE TOXLIT
9     FILE USPATFULL
1     FILE WPIDS
1     FILE WPINDEX
L4    QUE L3 AND PRODRUG
-----

```

FILE 'USPATFULL, EMBASE, BIOTECHDS, CAPLUS, SCISEARCH, CJACS,  
TOXLIT, BIOSIS, CANCERLIT, MEDLINE, PROMT, TOXLINE, WPIDS' ENTERED  
AT 08:56:53 ON 24 FEB 1998

L5	32 S L3 AND PRODRUG
L6	24 DUP REM L5- (8 DUPLICATES REMOVED)
L7	12 S L5 AND ENZYME (25W) BISPECIFIC
L8	10 DUP REM L7 (2 DUPLICATES REMOVED)